Agenda

Subsystem Overview

Incremental Track Snapshot
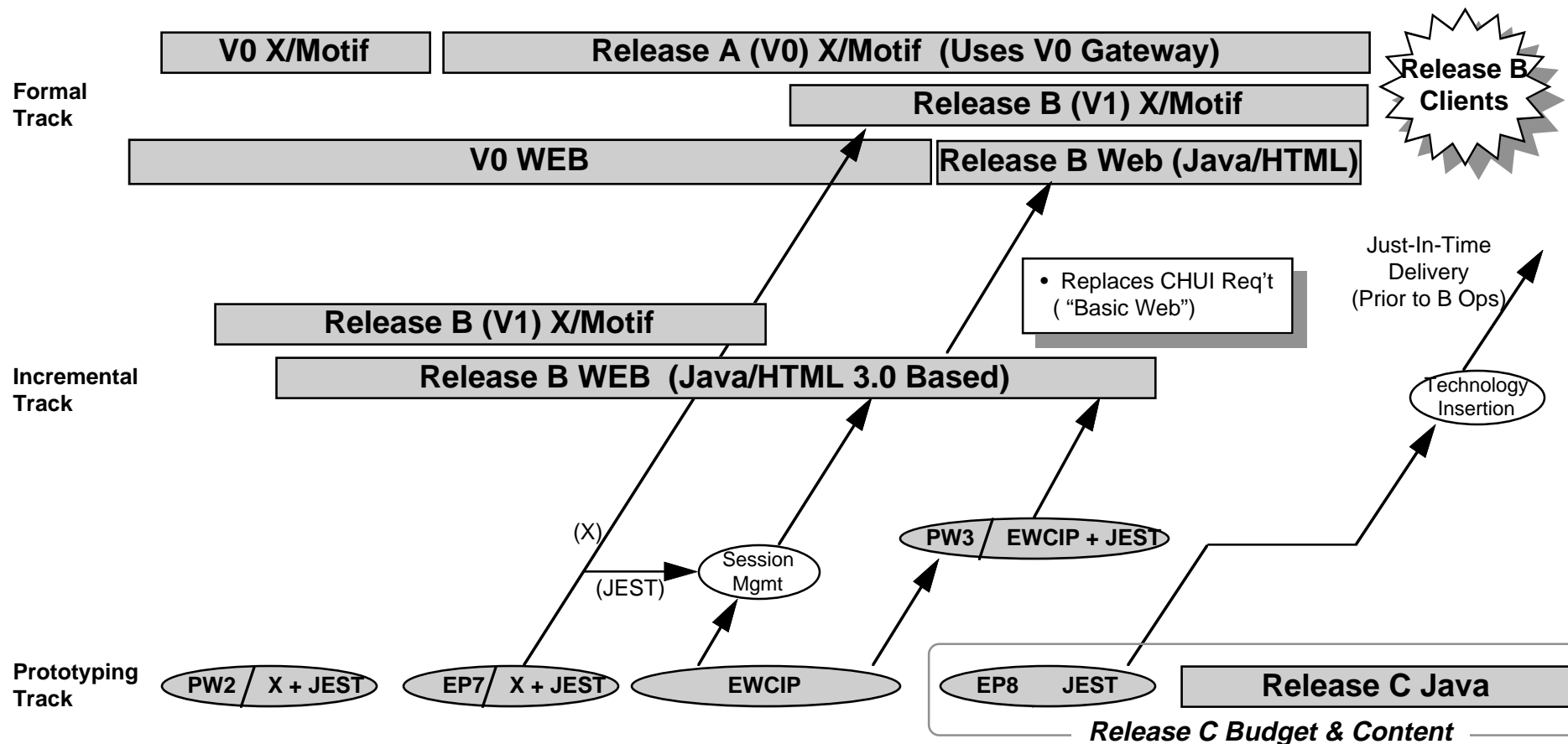
CLS Design Issues

Prototype Status

Client Flavors During Release B Operations

- **Client Flavors in Release B**
- **Technology and COTS Baseline**
- **Web / Java Client**
- **Incremental Track and Java**
- **Advanced Web Client**

Client "Flavors" During Release B Operations

Formal Track

| V0 X/Motif | Release A (V0) X/Motif (Uses V0 Gateway) |

Release B (V1) X/Motif

| V0 WEB | Release B Web (Java/HTML) |

Release B Clients

Incremental Track

Release B (V1) X/Motif

Release B WEB (Java/HTML 3.0 Based)

• Replaces CHUI Req't ("Basic Web")

Just-In-Time Delivery (Prior to B Ops)

Technology Insertion

(X)

(JEST) → Session Mgmt

PW3 / EWCIP + JEST

Prototyping Track

PW2 / X + JEST

EP7 / X + JEST

EWCIP

EP8 JEST

Release C Java

Release C Budget & Content

JEST - Java Earth Science (Search) Tool
EWCIP - Enhanced Web Client I/F Prototype

Release B Web Clients

Web Technology Baseline

- **HTTP 1.0+**

- **HTML 3+**

- **CGI 1.1+**

- **SSL 3.0+**

- **Java JDK 1.0.1+**

- **JavaScript 1.0+**

[Note: "+" means "and beyond"]

Web COTS Baseline

- **Netscape Enterprise/Commerce Server 2.0+**

- **Netscape Navigator 2.0.1+**

- **Mosaic 2.7+**

[Note: "+" means "and beyond"]

Release B Web Clients (cont.)

EP7, June 1996

- **Java Earth Science Tool (JEST)**
    - **End-to-end capabilities: search, results, browse, acquire**
    - **Search qualification via spatial, temporal, and discrete attributes (20)**
    - **Search/Results/Order management, save and retrieve**
    - **Dependent Valids**
- **Advertising**
- **Data Dictionary**
- **Document Search (Guide)**
- **User Registration/Profile**
- **Trouble Ticketing**

(The JEST EP7 Version will be enhanced July-September prior to CLS DR)

Incremental Track and Java

Proposed JEST Deltas at CLS Design Review, September 1996

- **ECS Web Infrastructure**
    - **session management**
    - **secure web interface**
- **Other Map Projections**
- **Subsetting**
- **Full browsing capability**
- **Query Preview**

These features will be fully developed by TRR-B

Release B Web Client is based on Java and HTML 3.0 (incl. tables)

Specific features for the TRR-B Web Client are listed in Subsystem Overview section

Advanced Web Client

Available between Release B CSR & RRR (prior to Release B Operations)

Product of Release C Incremental Track (EP8)

Release contemporaneous with Release B

Release B/V1 Web Client:

- **Full integration of EWCIP Technology**
- **Mid-97 vintage HTML, Java, etc. versions**
- **EP8 - generated functional upgrades**
- **Full utilization of Java utilities:**
    - **frames and panels**
    - **applets**
    - **interactive and dynamic user interfaces**
    - **support of GUI widgets**
    - **multi-threading**
    - **event handling**
    - **etc.**